AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

1.   (Currently Amended) A method comprising:

receiving by a client device, from a remote server, a plurality of display state definitions defining a plurality of instantiations of a user interface of an application for a plurality of display states of the user interface, wherein (1) at least one of the plurality of instantiations of the user interface corresponds to a multidimensional display state, the at least one instantiation defined by two or more of the plurality of display state definitions, and (2) at least ~~one~~ two of the plurality of display state definitions includ~~es~~ing ~~a~~ plural~~ity~~ities ~~s~~ of display cell definitions correspondingly defining ~~a~~ plural~~ity~~ities of display cells of ~~a corresponding~~at least one of the plurality of instantiations of the user interface, the at least two display state definitions being associated with a display state variable of a first of a plurality of display state dimensions, the display state variable being common to both, and each of the at least two display state definitions being associated with a different one of a plurality of discrete unequal display state values of the common display state variable, at least one display cell definition of one of the plural~~ity~~ities ~~s~~ of display cell definitions having a transition rule that sets ~~one or more~~the common display state variable~~s of one or more display state dimensions to corresponding one or more display state values~~ in response to user interaction with the display cell specified by the at least one display cell definition, said setting to facilitate determining by the client device a display state of the user interface;

examining locally by the client device, ~~the~~one or more display state variables of the~~one or more~~ display state dimensions to determine a current display state of the user interface; and

provisioning by the client device, a current instantiation of said user interface in accordance with one or more of the display state definitions associated with the determined current display state.

2.   (Cancelled)

3.   (Previously Presented) The method of claim 45, wherein said provisioning comprises generating by said client device a first display cell of the current instantiation of the user interface in accordance with a first of said one or more display cell definitions of one of said one or more display state definitions associated with said current display state.

4.   (Previously Presented) The method of claim 3, wherein said provisioning further comprises generating by said client device a second display cell of the current instantiation of the user interface in accordance with a second of said one or more display cell definitions of the same or another of said one or more display state definitions associated with said current display state.

5.   (Previously Presented) The method of claim 1, wherein said provisioning comprises generating by said client device a portion of the current instantiation of the user interface with constituting contents inherited from a pseudo instantiation of the user interface.

6.   (Previously Presented) The method of claim 1, wherein said current display state is multi-dimensional.

7.-9.   (Cancelled)

10.   (Cancelled)

11.   (Currently Amended) A method comprising:

transmitting by a server to a remote client device, a plurality of display state definitions defining a plurality of instantiations of a user interface of an application for a plurality of display states of the user interface, wherein (1) at least one of the plurality of instantiations of the user interface corresponds to a multidimensional display state, the at least one instantiation defined by two or more of the plurality of display state definitions, and (2) at least ~~one~~ two of the plurality of display state definitions ~~includes~~ including ~~a~~ pluralit~~y~~ies~~~~ of display cell definitions specifying constituting contents for ~~a~~ pluralit~~y~~ies~~~~ of corresponding display cells of at least one of the plurality of instantiations of the user interface, the at least two display state definitions being associated with a display state variable of a first of a plurality of display state dimensions, the display state variable being common to both, and each of the at least two display state definitions being associated with a different one of a plurality of discrete unequal display state values of the common display state variable, at least one display cell definition of one of the pluralit~~y~~ies of display cell definitions having a transition rule that sets ~~one or more~~the common display state variable~~s of one or more display state dimensions to corresponding one or more display state values~~ in response to user interaction with the display cell specified by the at least one ~~of the plurality of~~display cell definition~~s~~, said setting to facilitate determining by the remote client device a display state of the user interface; and

transmitting by the server to said remote client device, said constituting contents for said pluralit~~y~~ies~~~~ of display cells for rendering an instantiation of the plurality of instantiations of said user interface on said remote client device in accordance with one of said pluralit~~y~~ies~~~~ of display cell definitions.

12.   (Previously Presented) The method of claim 11, wherein the constituting contents are constituting contents of a pseudo instantiation of the user interface to be inherited during said rendering.

13.-14. (Cancelled)

15.   (Currently Amended) An article of manufacture comprising:

a storage medium; and

a plurality of programming instructions stored in the storage medium and configured to implement a user interface provision function equipped to receive from a remote server a plurality of display state definitions defining a plurality of instantiations of a user interface of an application for a plurality of display states of the user interface, wherein (1) at least one of the plurality of instantiations of the user interface corresponds to a multidimensional display state, the at least one instantiation defined by two or more of the plurality of display state definitions, and (2) at least ~~one~~ two of the plurality of display state definitions includ~~es~~ing ~~a~~ pluralit~~y~~ies of display cell definitions correspondingly defining ~~a~~ pluralit~~y~~ies of display cells of ~~a corresponding~~ at least one of the plurality of instantiations of the user interface, ~~the at least two display state definitions being associated with a display state variable of a first of a plurality of display state dimensions, the display state variable being common to both, and each of the at least two display state definitions being associated with a different one of a plurality of discrete unequal display state values of the common display state variable,~~ at least one ~~display cell definition of one~~ of the pluralit~~y~~ies of display cell definitions having a transition rule that sets ~~one or more~~ the common display state variable~~s of one or more display state dimensions to corresponding one or more display state values~~ in response to user interaction with the display cell specified by the at least one ~~of the plurality of~~ display cell definition~~s~~, said setting to facilitate determining by the client device a display state of the user interface, to determine a current display state of the user interface, and to provision a current instantiation of said user interface in accordance with one or more of the display state definitions associated with the determined current display state.

16.-18. (Cancelled)

19.   (Previously Presented) The article of claim 15, wherein said programming instructions equip said user interface provision function to perform said provisioning of the current instantiation of the user interface, by generating a portion of the current instantiation of the user interface with constituting contents inherited from a pseudo instantiation of the user interface.

20.   (Previously Presented) The article of claim 15, wherein said current display state is multi-dimensional.

21.   (Previously Presented) The article of claim 15, wherein the user interface provision function is a part of a selected one of a browser and an operating system.

22.-24. (Cancelled)

25.   (Cancelled)

26.   (Cancelled)

27.   (Cancelled)

28.-29. (Cancelled)

30.   (Currently Amended) A client device comprising:

a storage medium having stored therein a plurality of programming instructions to implement a user interface provision function equipped to receive from a remote server a plurality of display state definitions defining a plurality of instantiations of a user interface of an application for a plurality of display states of the user interface, wherein (1) at least one of the plurality of instantiations of the user interface corresponds to a multidimensional display state,

the at least one instantiation defined by two or more of the plurality of display state definitions, and (2) at least ~~one~~ two of the plurality of display state definitions includ~~es~~ing ~~a~~ plurality~~ies~~ of display cell definitions correspondingly defining ~~a~~ pluralit~~y~~ies of display cells of ~~a corresponding~~ at least one of the plurality of instantiations of the user interface, the at least two display state definitions being associated with a display state variable of a first of a plurality of display state dimensions, the display state variable being common to both, and each of the at least two display state definitions being associated with a different one of a plurality of discrete unequal display state values of the common display state variable, at least one display cell definition of one of the pluralit~~y~~ies of display cell definitions having a transition rule that sets ~~one or more~~the display state variable~~s of one or more display state dimensions to corresponding one or more display state values~~ in response to user interaction with the display cell specified by the at least one ~~of the plurality of~~display cell definition~~s~~, said setting to facilitate determining by the client device a display state of the user interface, to determine a current display state of the user interface, and to provision a current instantiation of said user interface in accordance with one or more of the display state definitions associated with the determined current display state; and

a processor coupled to the storage medium to execute the programming instructions.

31.-33. (Cancelled)

34. (Previously Presented) The client device of claim 30, wherein said programming instructions equip said user interface provision function to perform said provisioning of the current instantiation of the user interface, by generating a portion of the current instantiation of the user interface with constituting contents inherited from a pseudo instantiation of the user interface.

35.   (Previously Presented) The client device of claim 30, wherein said current display state is multi-dimensional.

36.   (Previously Presented) The client device of claim 30, wherein the client device is a device selected from a group consisting of a wireless telephone, a palm sized computing device, and a notebook sized computing device.

37.-39. (Cancelled)

40.   (Cancelled)

41.   (Currently Amended) A server comprising:

a storage medium having stored therein a plurality of programming instructions to implement a user interface provision function equipped to transmit to a remote client device,

a plurality of display state definitions defining a plurality of instantiations of a user interface of an application for a plurality of display states of the user interface, wherein (1) at least one of the plurality of instantiations of the user interface corresponds to a multidimensional display state, the at least one instantiation defined by two or more of the plurality of display state definitions, and (2) at least one two of the plurality of display state definitions includinges a pluralitiesy of display cell definitions specifying constituting contents for a pluralityies of corresponding display cells of at least one of the plurality of instantiations of the user interface, the at least two display state definitions being associated with a display state variable of a first of a plurality of display state dimensions, the display state variable being common to both, and each of the at least two display state definitions being associated with a different one of a plurality of discrete unequal display state values of the common display state variable, at least one

display cell definition of one of the plur~~ities~~ of display cell definitions having a

transition rule that sets ~~one-or-more~~the common display state variable~~s~~ ~~of one or~~

~~more display state dimensions to corresponding one or more display state values~~

in response to user interaction with the display cell specified by the at least one ~~of~~

~~the plurality of~~display cell definitions, said setting to facilitate determining by the

remote client device a display state of the user interface, and

said constituting contents for said plurality of display cells for rendering an instantiation

of the plurality of instantiations of said user interface on said remote client device

in accordance with one of said plural~~ities~~ of display cell definitions; and

at least one processor coupled to the storage medium to execute the programming

instructions.

42. (Previously Presented) The server of claim 41, wherein the constituting contents are

constituting contents of a pseudo instantiation of the user interface to be inherited during said

rendering.

43.-44. (Cancelled)

45. (Currently Amended) The method of claim 1, wherein each display state definition has

one or~~e~~ more display cell definitions correspondingly defining one or more display cells of ~~a~~

~~corresponding~~at least one instantiation of the user interface, and said determining is locally made

by said client device in accordance with a second display cell definition of a second of the

display state definitions of the user interface for a second rendered display cell of an immediately

preceding instantiation of the user interface for corresponding to an immediately preceding

display state of an immediately preceding instantiation of the user interface, with which

corresponding display cell a user interacted, said second display cell definition including a state

transition rule that sets at least one of the one or more display state variables of the ~~one or more~~

display state dimensions to ~~the corresponding one or more~~at least one display state ~~values~~ to facilitate the client device in determining the current display state as the display state of the user interface in the event a user interacts with the corresponding second rendered display cell.

46.   (Cancelled)

47.   (Currently Amended) The article of claim 15, wherein each of said plurality of display state definitions has one or more display cell definitions correspondingly defining one or more display cells of ~~a corresponding~~at least one instantiation of the user interface, and said programming instructions further equip said user interface provision function to make said determination in accordance with a second display cell definition of a second of the display state definitions of the user interface for a second rendered display cell of an immediately preceding instantiation of the user interface for corresponding to an immediately preceding display state of an immediately preceding instantiation of the user interface, with which corresponding display cell a user interacted, said second display cell definition including a state transition rule that sets at least one of one or more display state variables of the ~~one or more~~ display state dimensions to ~~the corresponding one or more~~at least one display state ~~values~~ to facilitate the client device in determining the current display state as the display state of the user interface in the event a user interacts with the corresponding second rendered display cell.

48.   (Previously Presented) The article of claim 47, wherein said programming instructions further equip said user interface provision function to perform said provisioning of the current instantiation of the user interface, by generating a first display cell of the current instantiation of the user interface in accordance with a first of said one or more display cell definitions of one of said one or more display state definitions associated with said current display state.

49. (Previously Presented) The article of claim 48, wherein said programming instructions further equip said user interface provision function to perform said provisioning of the current instantiation of the user interface, by generating a second display cell of the current instantiation of the user interface in accordance with a second of said one or more display cell definitions of the same or another of said one or more display state definitions associated with said current display state.

50. (Cancelled)

51. (Currently Amended) The client device of claim 30, wherein each of said plurality of display state definitions has one or more display cell definitions correspondingly defining one or more display cells of ~~a corresponding~~at least one instantiation of the user interface, and said programming instructions further equip said user interface provision function to make said determination in accordance with a second display cell definition of a second of the display state definitions of the user interface for a second rendered display cell of an immediately preceding instantiation of the user interface for ~~corresponding to an immediately preceding display state of an immediately preceding instantiation of the user interface~~, with which corresponding display cell a user interacted, said second display cell definition including a state transition rule that sets at least one of one or more display state variables of the ~~one or more~~display state dimensions to ~~the corresponding one or more~~at least one display state value~~s~~ to facilitate the client device in determining the current display state as the display state of the user interface in the event a user interacts with the corresponding second rendered display cell.

52. (Previously Presented) The client device of claim 51, wherein said programming instructions further equip said user interface provision function to perform said provisioning of the current instantiation of the user interface, by generating a first display cell of the current instantiation of the user interface in accordance with a first of said one or more display cell

definitions of one of said one or more display state definitions associated with said current display state.

53.   (Previously Presented) The client device of claim 52, wherein said programming instructions further equip said user interface provision function to perform said provisioning of the current instantiation of the user interface, by generating a second display cell of the current instantiation of the user interface in accordance with a second of said one or more display cell definitions of the same or another of said one or more display state definitions associated with said current display state.

54.   (Cancelled)